Valentine Kouznetsov
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Objective: A position of computer oriented scientist.

Background: Ten years in physics community (4 HEP experiments, 2 theoretical groups).
Eight years of experience in UNIX, Windows and low−level networking environments. Performed administration, installation, configuration, programming and troubleshooting.

Technical skills:

Computer Hardware:
IBM PC, DEC/Alpha, SUN, SGI workstations, X−terminals, Exabyte backup systems.

OS/Environment:
Linux: RedHat 4.x−7.x, Slackware
FreeBSD: v3.5
SGI: IRIX 6.5
DEC/Alpha: OSF/1
SUN: SunOS v4.1.4.1, Solaris v5.5.1
CDE 1.1, FWMN, KDE/GNOME−desktops.

Network hardware and protocols:
Ethernet, PPP over Dialup, TCP/IP, NFS, FTP, DNS, NIS.

Software:
languages: C/C++, Python, Fortran, basic knowledge of Java.
scripting: Born and C shells (sh, csh, tcsh), awk, sed, Tcl/Tk.
security: tripwire, SSH, Nmap, Nessus, port filtering firewalls, PAM authentication scheme.
miscellaneous: GNU development software, RPM software packaging, CVS revision control system, debuggers (gdb, dbx, DDD, TotalView), GUI (OnX based on Motif), VMware, Office Suites (Microsoft, Star Office, Applix).

Tasks and procedures:
system and maintenance planning, installation and documentation;
kernel installation and tuning;
building, installing and remotely deploying software;
planing and implementing system security;
shell programming;
backup planning and management;

Certificates:

issued by **www.brainbench.com**, see **transcript #157359**

Experience:

1993−1998	1998−1999	June 1999−till present time
JINR, Russia and CERN, Switzerland	CERN, Switzerland	Fermilab, USA
NOMAD experiment C, Fortran programming, sys. administration, shell programming.	NOMAD−STAR experiment Leader of software group, C programming, sys. administration.	D0 experiment C++/Python programming, sys. administration.
Linux, SunOS, Solaris, OSF/1	**Linux, SunOS, Solaris, OSF/1**	**Linux, IRIX**

Time table

June 1999 −− present time: Employed by Univ. of California at Riverside for D0 experiment at Fermilab, USA.

Project description:
Development of the off−line software (tracking system).
Environment:
C++/Python languages, SGI IRIX 6.5 and Linux/RedHat 5.x/6.x clusters.
Responsibility:
C++ software developer and system administrator/manager for UCR group.
UNIX administration/management: support/management of 13 individual software packages, installation and support of D0 software on Linux/RedHat 6.x, system backup and management for UCR group.

Feb. 1998 −− Feb. 1999: Employed by CERN, Geneva, Switzerland for NOMAD−STAR experiment.

Project description:
Development of the reconstruction software and data management for NOMAD−STAR experiment.
Environment:
C language, DEC/Alpha OSF/1 cluster, Linux/RedHat 4.x farm, GNU software.
Responsibility:
Leader of software development group.
C language software developer for NOMAD−STAR experiment.
UNIX administration/management: data backup and management, user account management, support and transfer of NOMAD software from DEC OSF/1 to Linux.
Support of NOMAD−STAR web−pages as a web master.
Miscellaneous activities: designing and managing of NOMAD−STAR software, CVS management, on/off−line support, GUI Motif based interface development, troubleshooting.

May 1995 −− Feb. 1998: Employed by JINR, Dubna Russia and CERN (part−time), Geneva Switzerland for NOMAD experiment.

Project description:
Development of the reconstruction software, data analyse and software management for NOMAD experiment.
Environment:
C language, DEC/Alpha OSF/1, SunOS (v4.1.4.1), Solaris (SunOS v5.5.1) clusters, Linux/Slackware, GNU software.
Responsibility:
NOMAD tracking software development.
UNIX administration/management: CVS management, data management, troubleshooting, auto transfer of NOMAD software between CERN and JINR, system backup and user account management.

Dec. 1993 −− May 1998: Employed by JINR, Dubna, Russia.

Project description:
Scientific research for Joint Institue of Nuclear Research (JINR).
Environment:
C/Fortran languages, SunOS, Linux/Slackware, Windows 3.1/95.
Responsibility:
Scientific calculations and Monte Carlo simulations (C/Fortran).
UNIX administrator (part−time) for Linux/Slackware. Network installation and configuration using NFS and Samba [SunOS, Linux, Windows].

Education:

August 1999: Object−Oriented Design and Programming in C++, by Glenn P. Downing Univ. Texas at Austin, Fermilab training, IL, USA.

July 1999: Fast Track to Objects, by ISS Inc. Schaumburg, Fermilab training, IL. Object−Oriented Analysis and Design using UML, by Objective Engineering Inc., Fermilab training, IL, USA.

May 1999: Ph.D. in Physics, Dubna, JINR, Russia.

June 1993: M. Sc. in Physics, Irkutsk State Univ., Russia.

References:

Prof. Juan Jose Gomez Cadenas	Dr. Eduardo Do Couto E Silva	Prof. Paul Soler
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Administration, management:

Skillful organizer with experience in long−term research projects.
Experience of work as a member of large (over 500 people), small and international teams.
Familiar with handling of research grants and purchasing of equipment.
Day−by−day advice and leadership of students.

Personal:

Languages: Russian, English, French (basic).
Self−motivating with good communication and interpersonal skills.
Fast learner in programming languages.
26 physics and 2 software publications. A complete list is available upon request.

I am currently employed under the conditions of J−1 visa.

Contact:

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